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AMENDMENTS TO THE CLAIMS

Please cancel claims 4 and 15, and amend the claims as follows:

1. (Currently Amended) A method of executing an operation on a set of ~~objects~~graphical

    components, the method comprising the computer-implemented steps of:

    detecting that a statement contains

    > an operation identifier that specifies ~~an~~said operation,

    > pattern matching criteria, and

    > an attribute identifier that identifies an attribute; and

    executing said statement by

    > identifying ~~all objects~~said set of graphical components associated with identifiers

    > > that satisfy said pattern matching criteria, and

    > performing said operation on said attribute of each ~~of said objects~~graphical

    > > component in said set of graphical components that satisfy said pattern

    > > matching criteria, altering state information corresponding to each

    > > graphical component in said set of graphical components to generate a

    > > frame within an animation.

2. (Original) The method of Claim 1, wherein said statement includes a first string of

    characters that contains at least one wild card character and that specifies said pattern

    matching criteria.

3. (Original) The method of Claim 2, wherein said first string is part of a second string of

    characters, wherein said second string of characters includes said attribute identifier and

    is in a format that conforms to object-dot notation.

4.   (Withdrawn) The method of Claim 1, wherein the step of identifying includes identifying a set of graphical components associated with identifiers that satisfy said pattern matching criteria, and said step of performing includes performing said operation on said attribute of each graphical component in said set of graphical components.

5.   (Original) The method of Claim 1, wherein said statement is written in a scripting language and the step of detecting is performed by a script processor.

6.   (Currently Amended) The method of Claim 5, <u>wherein</u> the script processor is part of a CAD system and the step of identifying is performed by identifying ~~objects~~ <u>the set of graphical components</u> within said CAD system that are associated with an identifier that matches said pattern matching criteria.

7.   (Original) The method of Claim 1, wherein step of detecting that a statement contains pattern matching criteria includes detecting that the statement contains pattern matching criteria for a hierarchical identifier.

8.   (Currently Amended) A method of executing an operation on collections of ~~objects~~ <u>graphical components</u>, the method comprising the computer-implemented steps of:
detecting that a statement contains

an operation identifier that specifies said operation,

an identifier that is associated with a collection of ~~objects~~<u>graphical components</u>, and

an attribute identifier that identifies an attribute of a member ~~object~~ <u>graphical component</u> of said collection of ~~objects~~<u>graphical components</u>; and

executing said statement by

identifying member ~~objects~~<u>graphical components</u> of said collection of

~~objects~~<u>graphical components</u>, and

performing said operation on said attribute of each ~~graphical component~~ of said

identified member ~~objects~~graphical components, altering state information

corresponding to each graphical component of said identified member

graphical components to generate a frame within an animation.

9.   (Currently Amended) The method of Claim 8, wherein said collection of ~~objects~~

graphical components is an array.

10.   (Currently Amended) The method of Claim 8, wherein said collection of ~~objects~~

graphical components includes all instances of a native type of graphical components

managed by a CAD system.

11.   (Original) The method of Claim 10, wherein said native type is a map type of graphical

components, wherein a map type defines a surface.

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12.   (Currently Amended) A computer-readable medium carrying one or more sequences of

one or more instructions for executing an operation on a set of ~~objects~~graphical

components, the one or more sequences of one or more instructions including instructions

which , when executed by one or more processors, cause the one or more processors to

perform the steps of:

detecting that a statement contains

an operation identifier that specifies ~~an~~said operation,

pattern matching criteria, and

an attribute identifier that identifies an attribute; and

executing said statement by

identifying all ~~objects~~graphical components associated with identifiers that satisfy

said pattern matching criteria, and

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performing said operation on said attribute of each of said ~~objects~~ graphical components that satisfy said pattern matching criteria, altering state information corresponding to each graphical component in said set of graphical components to generate a frame within an animation.

13.   (Original) The computer-readable medium of Claim 12, wherein said statement includes a first string of characters that contains at least one wild card character and that specifies said pattern matching criteria.

14.   (Original) The computer-readable medium of Claim 13, wherein said first string is part of a second string of characters, wherein said second string of characters includes said attribute identifier and is in a format that conforms to object-dot notation.

15.   (Withdrawn) The computer-readable medium of Claim 12, wherein the step of identifying includes identifying a set of graphical components associated with identifiers that satisfy said pattern matching criteria, and said step of performing includes performing said operation on said attribute of each graphical component in said set of graphical components.

16.   (Original) The computer-readable medium of Claim 12, said statement is written in a scripting language and the step of detecting is performed by a script processor.

17.   (Currently Amended) The computer-readable medium of Claim 16, wherein the script processor is part of a CAD system and the step of identifying is performed by identifying ~~objects~~ graphical components within said CAD system that are associated with an identifier that matches said pattern matching criteria.

18.   (Currently Amended) A computer-readable medium carrying one or more sequences of one or more instructions for executing an operation on collections of ~~objects~~ graphical components, the one or more sequences of one or more instructions including instructions

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which, when executed by one or more processors, cause the one or more processors to

perform the steps of:

detecting that a statement contains

an operation identifier that specifies said operation,

an identifier that is associated with a collection of ~~objects~~graphical components,

and

an attribute identifier that identifies an attribute of a member object of said

collection of ~~objects~~graphical components; and

executing said statement by

identifying member ~~objects~~graphical components of said collection of

~~objects~~graphical components, and

performing said operation on said attribute of each graphical component of said

identified member ~~objects~~graphical components, altering state information

corresponding to each graphical component of said identified member

graphical components to generate a frame within an animation.

19.   (Currently Amended) The computer-readable medium of Claim 18, wherein said

collection of ~~objects~~graphical components is an array.

20.   (Currently Amended) The computer-readable medium of Claim 18, wherein said

collection of ~~objects~~graphical components includes all instances of a native type of

graphical components managed by a CAD system.

21.   (New) The method of claim 1, further comprising the step of changing the value of

another attribute, the other attributes not associated with the identifiers that satisfy said

pattern matching criteria.

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C\ 22. (New) The method of claim 8, further comprising the step of changing the value of another attribute, the other attribute not associated with the attribute identifier.